Star Charts

excerpted from www.carolrpt.com/astroguide.htm

Assembled by Carol Beigel

The list of 93 objects and the 15 charts to help you find them were created using the Deep Space Astro Card software. Only objects you can find with a small telescope or binoculars are included. The darker the sky, the more objects you will be able to see. Of course, the bigger the telescope the more detail you can see!

The spreadsheet has a column that lists each object's magnitude - the lower the number the brighter the object. Under light-polluted skies, or nights when the moonlight is bright, you may only be able to see Mag 4 or less. The RA column tells you when an object rises in the East - the lower the number the earlier it rises. The Declination tells you to look North or South when looking East. Positive numbers are north and negative numbers are south of the celestial equator.

Good Binocular Objects - These objects are included in my list of 93.

Nebulas

Orion Nebula, M42

Nebulas in Sagittarius, The Lagoon (M8), the Trifid (M20), the Swan (M17), Eagle (M16)

The North American Nebula, NGC 7000 in Cygnus

The Dumbell Nebula (M27) in Vulpecula

The Helix Nebula, NGC 7293 near Aquarius

Open Star Clusters

The Peiades, M45

The Hyades in Taurus

The Alpha Persei Group in Perseus

The Double Cluster in Perseus

The Coma Cluster in Coma Berenices

The Beehive (Praesepe, M44) in Cancer

M6 and M7 above the tail of Scorpius

Globular Clusters (look like fuzzy balls in binoculars as do comets)

M13 and M92 in Hercules

M22 in Sagittarius

Omega Centauri in Centaurus - only visible here in March and April

Galaxies

The Andromeda Galaxy, M31 - look between Cassiopeia and Pegasus

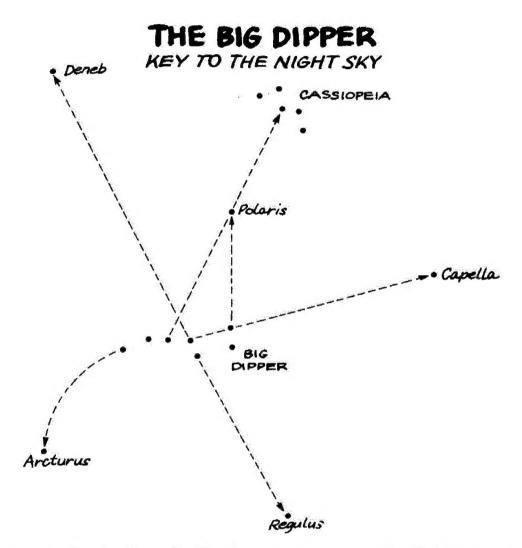
The Triangulum Galaxy, M33

Star Chains

Kemble's Cascade in Camelopardus (between the North Star and the Double Cluster in Perseus) NGC1502 is at one end of it.

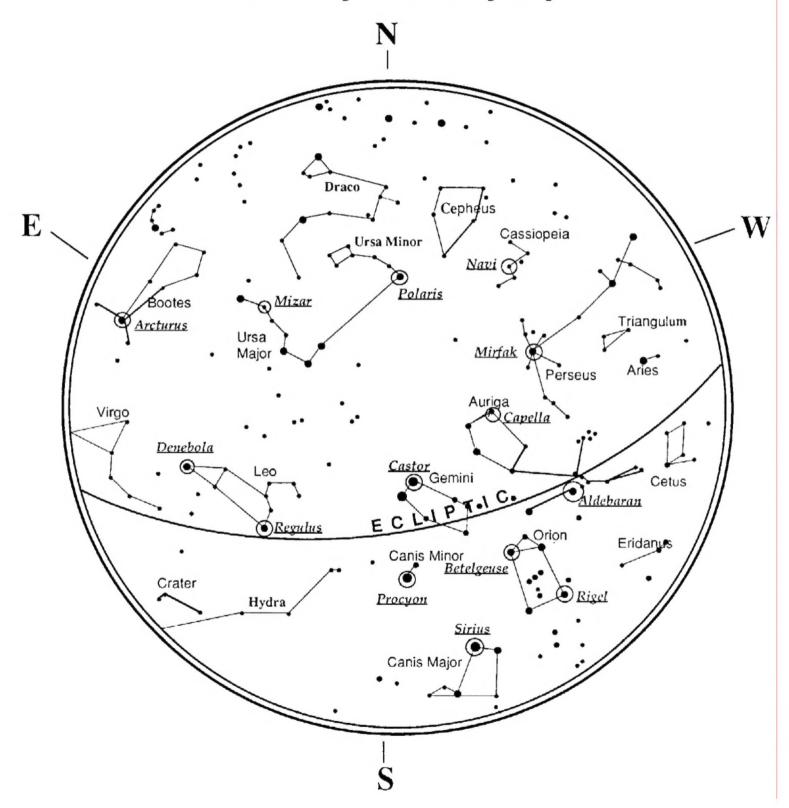
Messier Charts - Charles Messier (1730-1817) made a list of 103 "faint fuzzies" that are not comets. He used a small telescope in the middle of Paris. To see thumbnail photos of these objects, refer to the back of the full version of A Simple Guide to Backyard Astronomy Using Binoculars or a Small Telescope at www.carolrpt.com/astroguide.htm.

This page from the Edmund Sky Guide (1977), can help you get oriented to the sky from just about anywhere in the Northern Hemisphere. The seasonal constellation charts that follow were found in the Celestron manual that came with my telescope at www.celestron.com..

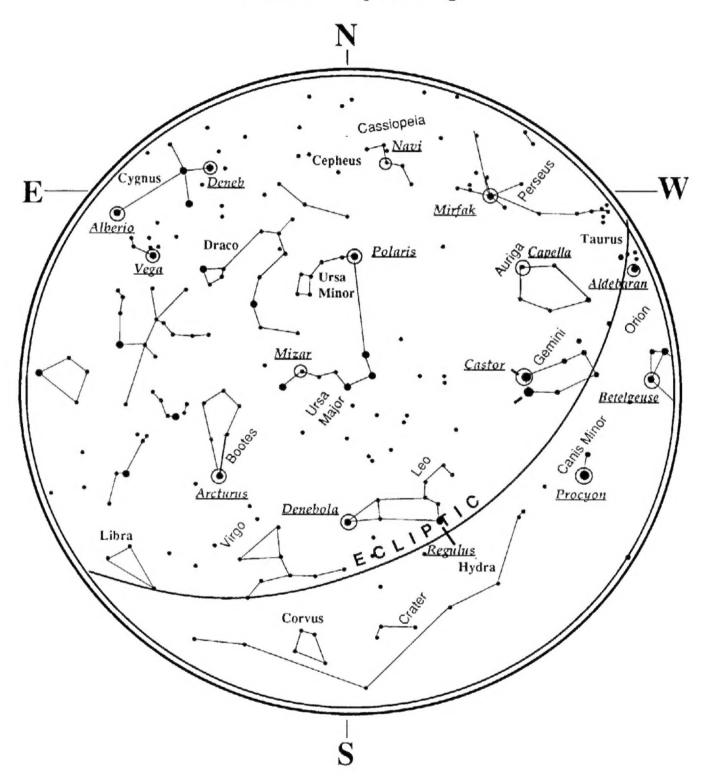


By some cosmic coincidence the Big Dipper stars are arranged so that they conveniently point at most of the major bright stars in the sky. This diagram can be used at any time of any night of the year because the stars do not change their positions relative to one another. What does change is the direction that you face into space due to Earth's rotation and revolution. This means that although the Dipper itself will always be visible (if you live north of 38° north latitude) not all of the stars that are indicated in this diagram will be above the horizon at any one time. Once you have identified some of the major guide stars you can then turn to the appropriate connecting map on the following pages to continue your sky exploring.

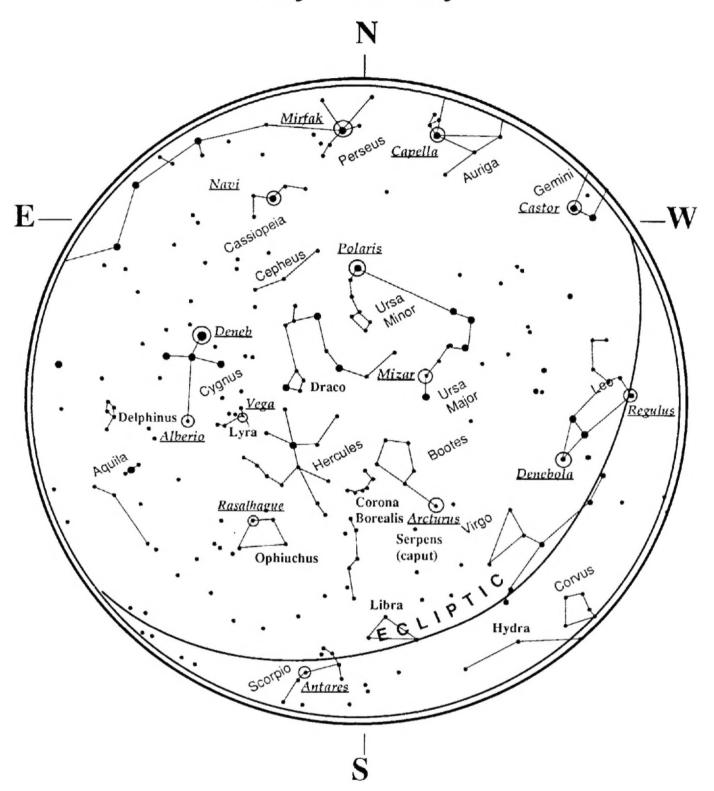
January - February Sky



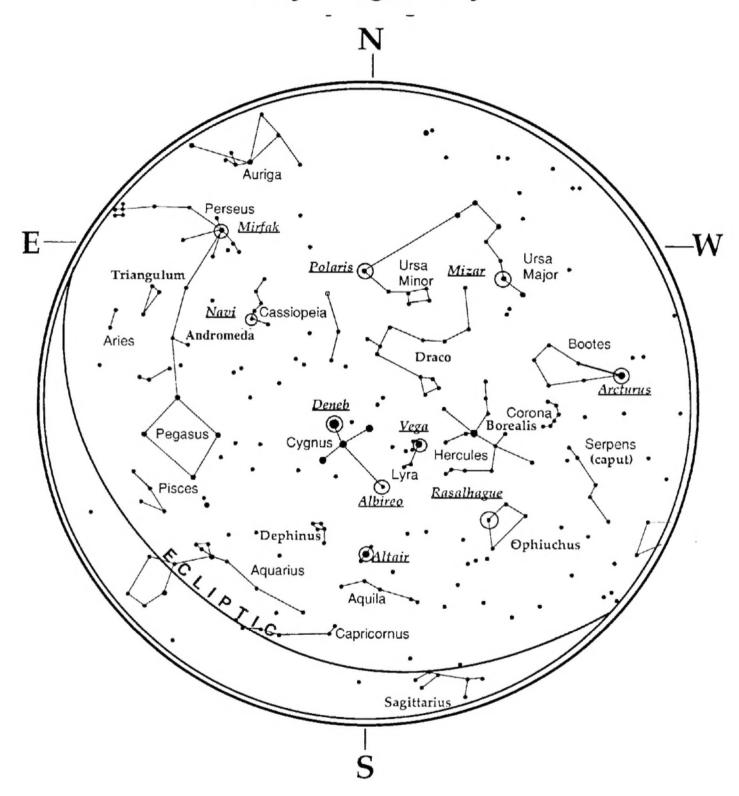
March - April Sky



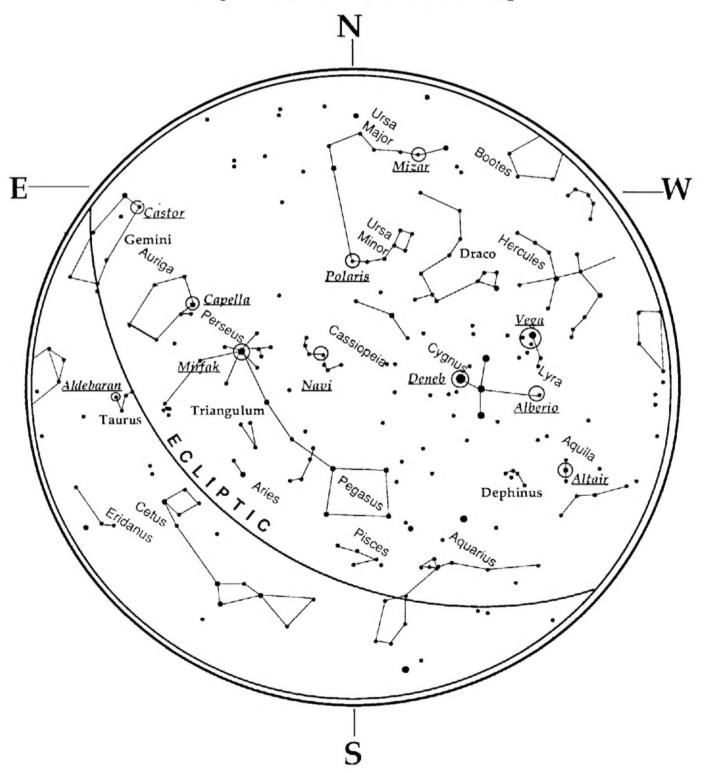
May - June Sky



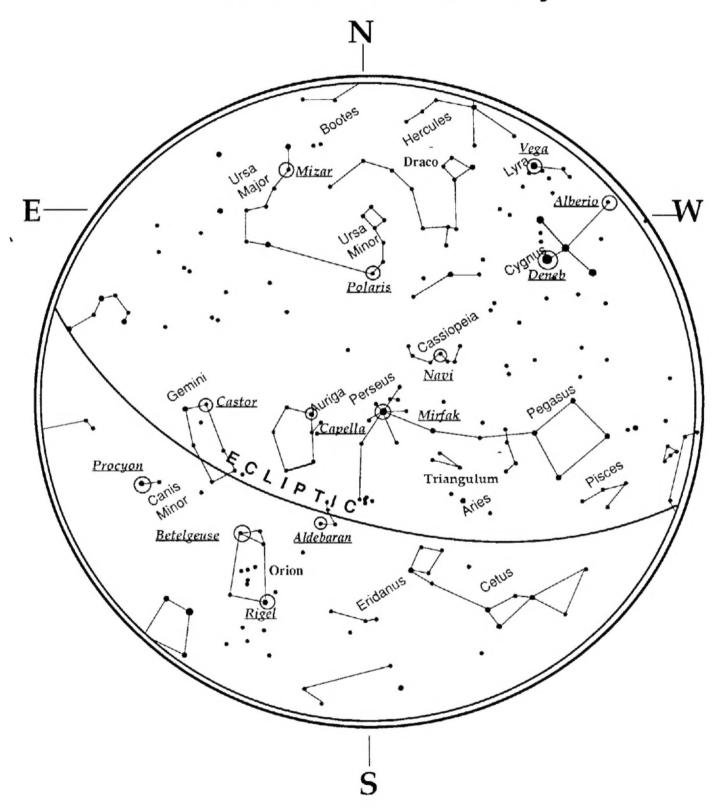
July - August Sky



September - October Sky



November - December Sky



CB93 Best Objects in the Sky for Small Telescopes and Binoculars sorted by Constellation

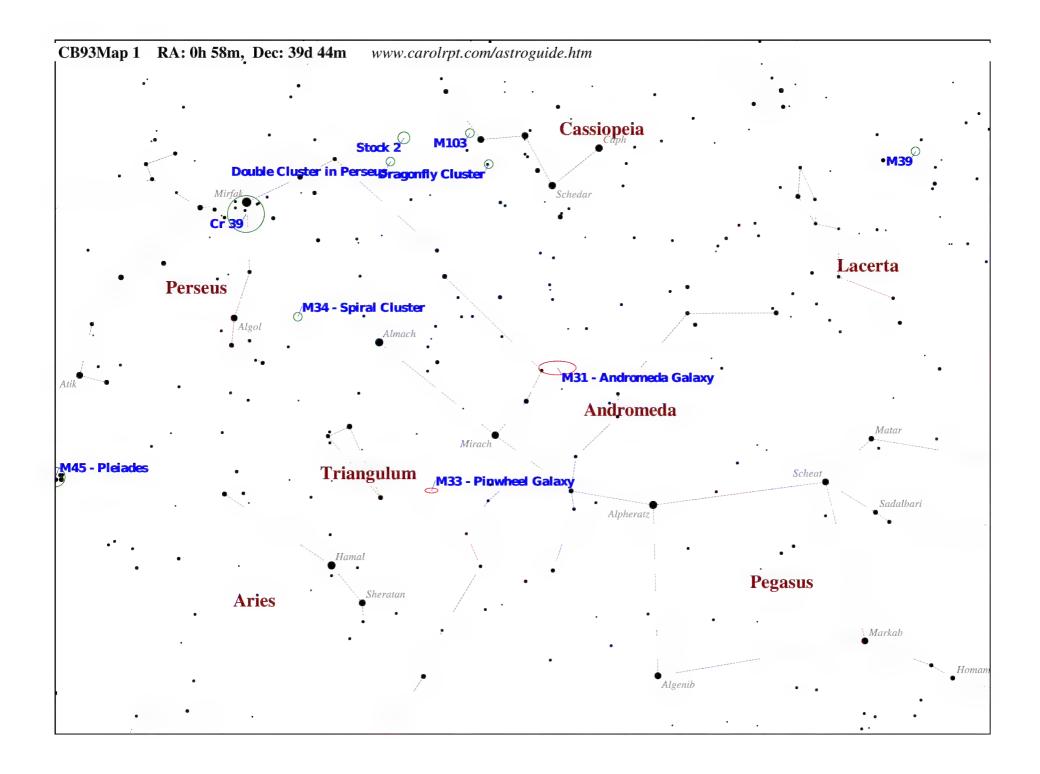
Object Id	Other Id	Type	R.A.	Decl.	Const	Mag 1	Description
NGC 224	M31 - Andromeda Galaxy	Gx	00 42 42.0	+41 16 00.0	And	3.40	CB93 Map 1 largest object in the sky
NGC 7089	M2	Gb	21 33 30.0	-00 49 00.0	Aqr	6.50	CB93 Map 2
NGC 2099	M37 - Auriga Salt-and-Pepper Cluster	OC	05 52 18.0	+32 33 00.0	Aur	5.60	CB93 Map 3
NGC 1960	M36 - Pinwheel Cluster	OC	05 36 18.0	+34 08 00.0	Aur	6.00	CB93 Map 3
NGC 1912	M38 - Starfish Cluster	OC	05 28 42.0	+35 51 00.0	Aur	6.40	CB93 Map 3
NGC 1502	Kemble's Cascade	OC	04 07 48.0	+62 20 00.0	Cam		CB93 Map 4
NGC 457	Dragonfly Cluster	OC	01 19 30.0	+58 17 00.0	Cas	6.40	CB93 Map 1
NGC 581	M103	OC	01 33 24.0	+60 39 00.0	Cas	7.40	CB93 Map 1 and 4
Stock 2		OC	02 15 00.0	+59 16 00.0	Cas	4.40	CB93 Map 1
NGC 2287	M41- Little Beehive	OC	06 46 00.0	-20 45 00.0	CMa	4.50	CB93 Map 5
NGC 2632	M44 - Praesepe, Beehive Cluster	OC	08 40 00.0	+19 40 00.0	Cnc	3.10	CB93 Map 5
NGC 2682	M67- King Cobra	OC	08 50 48.0	+11 49 00.0	Cnc	6.90	CB93 Map 5
NGC 4254	M99 - Coma PinWheel Galaxy	Gx	12 18 48.0	+14 25 00.0	Com	9.90	CB93 Map 6
NGC 5024	M53	Gb	13 12 54.0	+18 10 00.0	Com	7.70	CB93 Map 6
Mel 111	Berenice's Hair	OC	12 25 00.0	+26 00 00.0	Com	1.80	CB93 Map 6
NGC 4192	M98	Gx	12 13 48.0	+14 54 00.0	Com	10.10	CB93 Map 6
NGC 4826	M64 - Black-Eye Galaxy	Gx	12 56 42.0	+21 41 00.0	Com	8.50	CB93 Map 6
NGC 4501	M88 - Markarian's Chain	Gx	12 32 00.0	+14 25 00.0	Com	9.60	CB93 Map 6
NGC 4736	M94 - Croc's Eye	Gx	12 50 54.0	+41 07 00.0	CVn	8.20	CB93 Map 7 and 15
NGC 5272	M3	Gb	13 42 12.0	+28 23 00.0	CVn	6.40	CB93 Map 6
NGC 5055	M63 - Sunflower Galaxy	Gx	13 15 48.0	+42 02 00.0	CVn	8.60	CB93 Map 7 and 15
NGC 7092	M39	OC	21 32 12.0	+48 26 00.0	Cyg	4.60	CB93 Map 1 and 8
NGC 7000	North American Nebula	Nb	21 01 48.0	+44 12 00.0	Cyg	4.00	CB93 Map 8
NGC 6913	M29 - Cooling Tower	OC	20 23 54.0	+38 32 00.0	Cyg	6.60	CB93 Map 8
NGC 2168	M35	OC	06 08 12.0	+24 22 00.0	Gem	5.10	CB93 Map 3
NGC 6205	M13 - Great Hercules Cluster	Gb	16 41 42.0	+36 28 00.0	Her	5.90	CB93 Map 7 and 15
NGC 6341	M92	Gb	17 17 06.0	+43 08 00.0	Her	6.50	CB93 Map 7 and 15
NGC 4590	M68	Gb	12 39 30.0	-26 45 00.0	Hya	8.20	CB93 Map 9
NGC 5236	M83 - Southern Pinwheel	Gx	13 37 00.0	-29 52 00.0	Hya	7.50	CB93 Map 9
NGC 2548	M48	OC	08 13 42.0	-05 45 00.0	Hya		CB93 Map 5
NGC 3351	M95	Gx	10 44 00.0	+11 42 00.0	Leo		CB93 Map 10
NGC 3368	M96	Gx	10 46 48.0	+11 49 00.0	Leo	9.30	CB93 Map 10

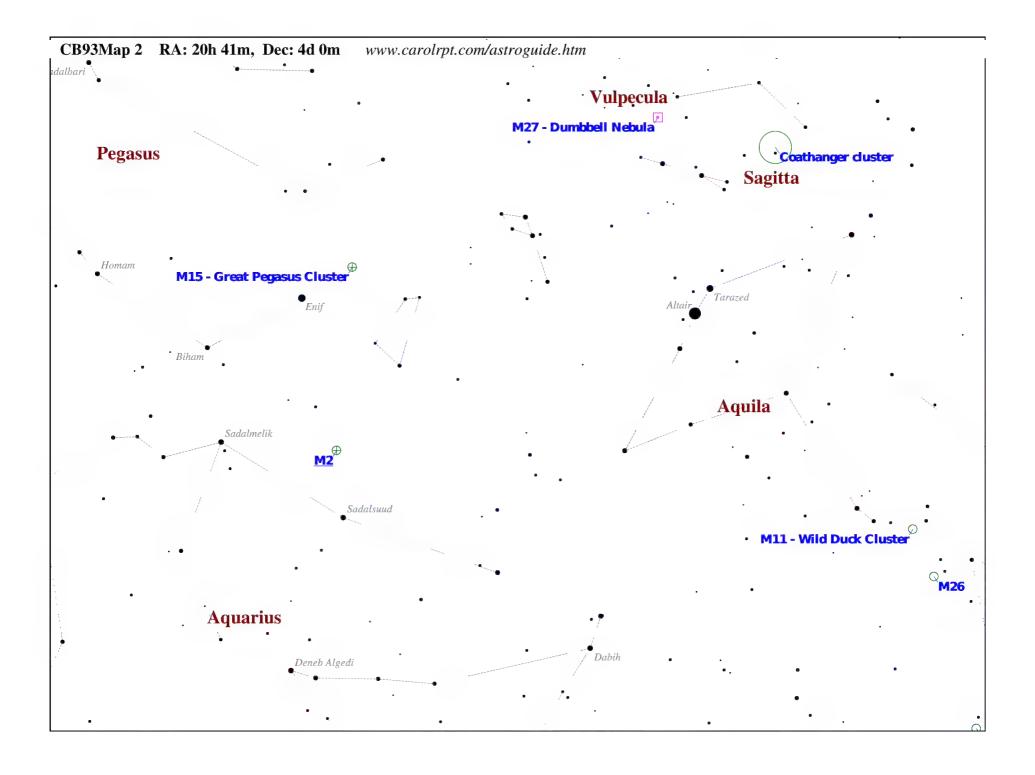
CB93 Best Objects in the Sky for Small Telescopes and Binoculars sorted by Constellation

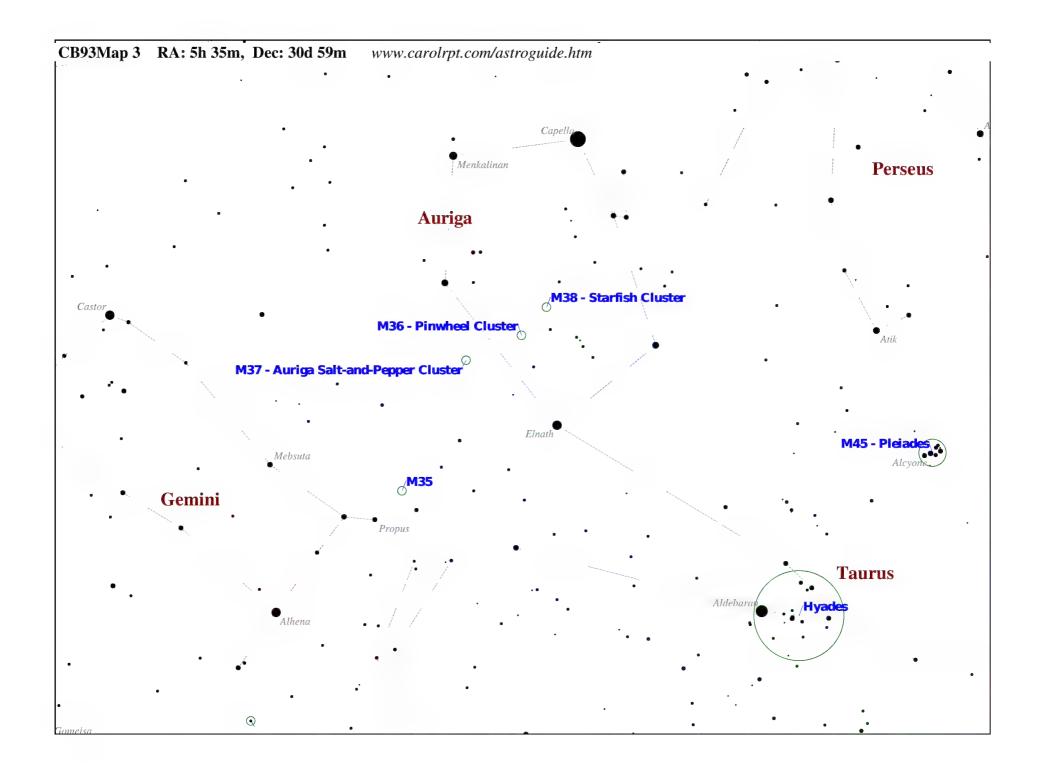
Object Id	Other Id	Туре	R.A.	Decl.	Const	Mag 1	Description
NGC 3623	M65 - in the Leo Triplett	Gx	11 18 54.0	+13 05 00.0	Leo	9.30	CB93 Map 6 and 10
NGC 3627	M66 - in the Leo Triplett	Gx	11 20 12.0	+13 00 00.0	Leo	8.90	CB93 Map 6 and 10
NGC 6779	M56	Gb	19 16 36.0	+30 11 00.0	Lyr	8.30	CB93 Map 8
NGC 6720	M57 - Ring Nebula	Pl	18 53 36.0	+33 02 00.0	Lyr	9.40	CB93 Map 8
NGC 2323	M50 - Heart-Shaped Cluster	OC	07 02 30.0	-08 23 00.0	Mon	5.90	CB93 Map 5
NGC 2264	Christmas Tree Cluster	C+N	06 41 00.0	+09 54 00.0	Mon	3.90	CB93 Map 5
NGC 6333	M9	Gb	17 19 12.0	-18 31 00.0	Oph	7.90	CB93 Map 11 and 12
NGC 6254	M10	Gb	16 57 06.0	-04 06 00.0	Oph	6.60	CB93 Map 11
NGC 6171	M107	Gb	16 32 30.0	-13 03 00.0	Oph	8.10	CB93 Map 11
NGC 6273	M19	Gb	17 02 36.0	-26 16 00.0	Oph	7.20	CB93 Map 11 and 12
NGC 6402	M14	Gb	17 37 36.0	-03 15 00.0	Oph	7.60	CB93 Map 11
NGC 6218	M12 - Gumball Cluster	Gb	16 47 12.0	-01 57 00.0	Oph	6.60	CB93 Map 11
NGC 6266	M62- Flickering Globular	Gb	17 01 12.0	-30 07 00.0	Oph	6.60	CB93 Map 12
NGC 1976	M42 - Great Orion Nebula	C+N	05 35 18.0	-05 23 00.0	Ori	4.00	CB93 Map 5
NGC 7078	M15 - Great Pegasus Cluster	Gb	21 30 00.0	+12 10 00.0	Peg		CB93 Map 2
NGC 1039	M34 - Spiral Cluster	OC	02 42 06.0	+42 47 00.0	Per	5.20	CB93 Map 1
NGC 869	Double Cluster in Perseus	OC	02 19 06.0	+57 08 00.0	Per	5.30	CB93 Map 1 and 4
Mel 20	Cr 39	OC	03 22 00.0	+49 00 00.0	Per	1.20	CB93 Map 1 use binoculars
NGC 2422	M47	OC	07 36 36.0	-14 29 00.0	Pup	4.40	CB93 Map 5
NGC 2477	OCL 720	OC	07 52 12.0	-38 32 00.0	Pup	5.80	CB93 Map 5
NGC 2447	M93 - Butterfly Cluster	OC	07 44 30.0	-23 51 00.0	Pup	6.20	CB93 Map 5
NGC 6121	M4 - Cat's Eye	Gb	16 23 36.0	-26 32 00.0	Sco	5.90	CB93 Map 11 and 12
NGC 6475	M7 - Scorpions Tail	OC	17 53 54.0	-34 48 00.0	Sco	3.30	CB93 Map 12
NGC 6124	Dunlop 514	OC	16 25 18.0	-40 39 00.0	Sco	5.80	CB93 Map 12
NGC 6405	M6 - Butterfly Cluster	OC	17 40 18.0	-32 15 00.0	Sco	4.20	CB93 Map 12
Cr 316	False Comet	OC	16 55 30.0	-40 50 00.0	Sco	3.40	CB93 Map 12
NGC 6093	M80	Gb	16 17 00.0	-22 59 00.0	Sco	7.20	CB93 Map 12
NGC 6705	M11 - Wild Duck Cluster	OC	18 51 06.0	-06 16 00.0	Sct	5.80	CB93 Map 2, 11 and 14
NGC 6694	M26	OC	18 45 12.0	-09 24 00.0	Sct	8.00	CB93 Map 2, 11 and 14
NGC 5904	M5	Gb	15 18 36.0	+02 05 00.0	Ser	5.80	CB93 Map 11
NGC 6611	M16 - Eagle Nebula	C+N	18 18 48.0	-13 47 00.0	Ser	6.00	CB93 Map 11 and 14
NGC 6523	M8 - Lagoon Nebula	C+N	18 03 42.0	-24 23 00.0	Sgr	5.00	CB93 Map13 and 14

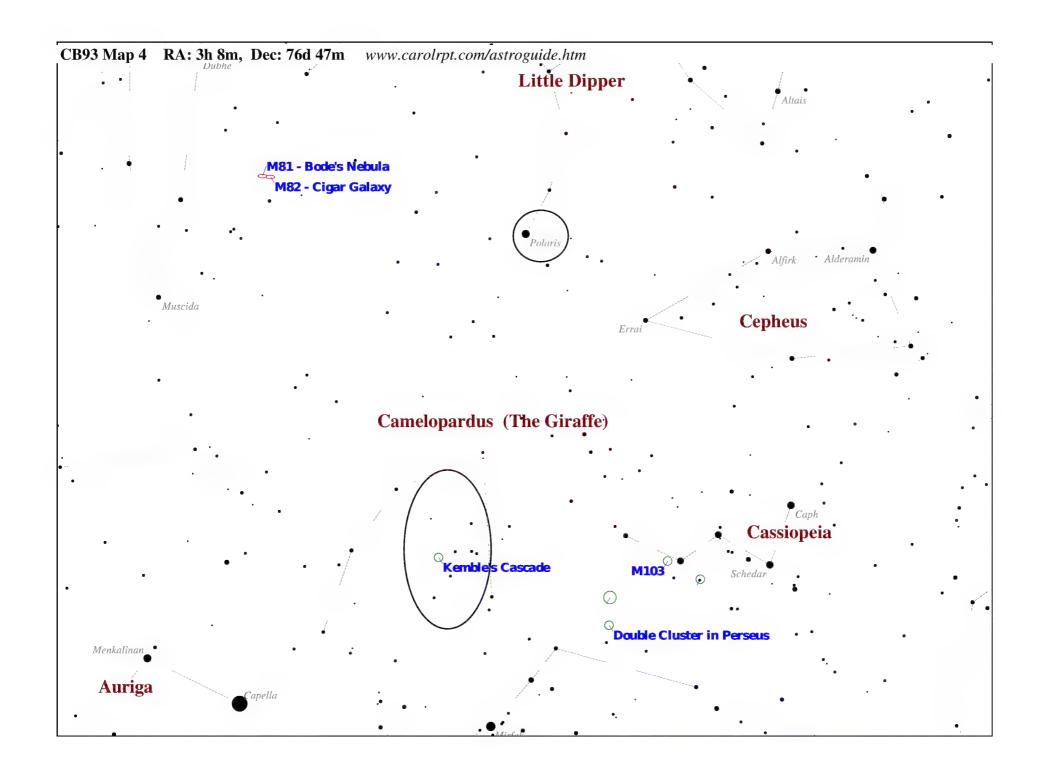
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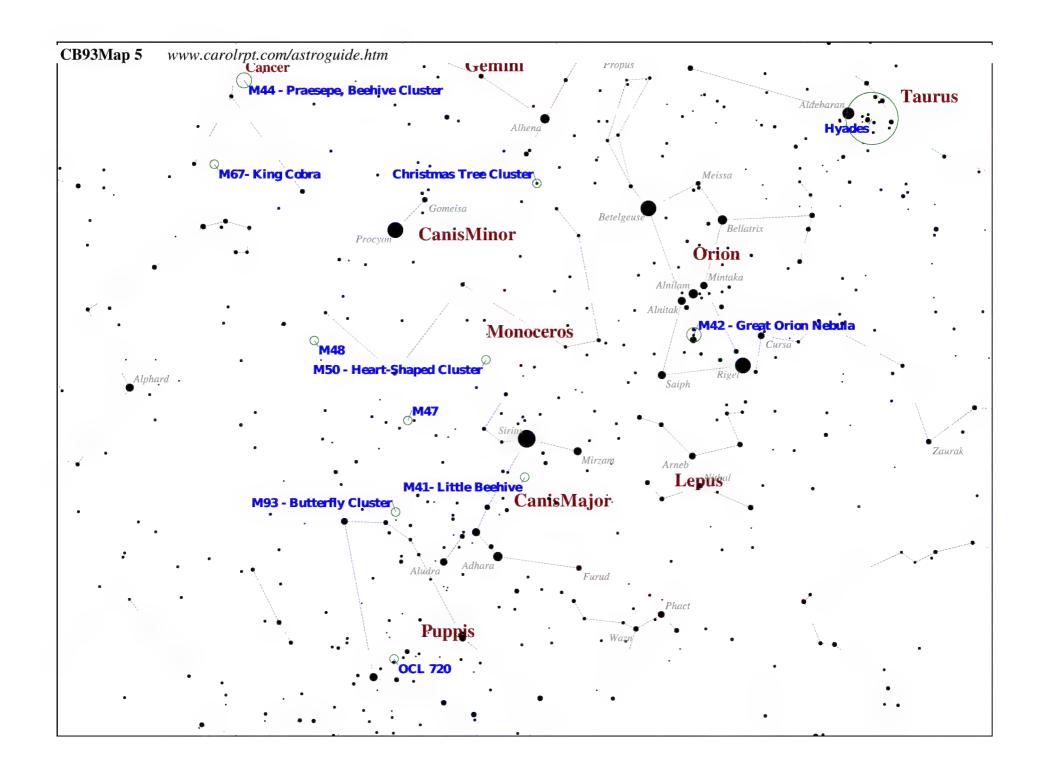
Object Id	Other Id	Type	R.A.	Decl.	Const	Mag 1	Description
IC 4715	M24 - Sagittarius Star Cloud	OC	18 26 36.0	-18 23 00.0	Sgr	3.10	CB93 Map 14
NGC 6626	M28	Gb	18 24 30.0	-24 52 00.0	Sgr	6.90	CB93 Map 13 and 14
NGC 6809	M55- The Spectre	Gb	19 40 00.0	-30 58 00.0	Sgr	7.00	CB93Map 13 and 14
NGC 6618	M17 - Swan Nebula	C+N	18 20 48.0	-16 11 00.0	Sgr	6.00	CB93 Map 11 and 14 no stars, looks like checkmark
NGC 6715	M54	Gb	18 55 06.0	-30 29 00.0	Sgr	7.70	CB93 Map 13 and 14
NGC 6656	M22 - Great Sagittarius Cluster	Gb	18 36 24.0	-23 54 00.0	Sgr	5.10	CB93 Map 12 and 13 one of finest globs
NGC 6494	M23	OC	17 57 06.0	-18 59 00.0	Sgr	5.50	CB93 Map 14
NGC 6637	M69	Gb	18 31 24.0	-32 21 00.0	Sgr	7.70	CB93 Map 13 and 14
NGC 6681	M70	Gb	18 43 12.0	-32 18 00.0	Sgr	8.10	CB93 Map 13 and 14
NGC 6864	M75	Gb	20 06 06.0	-21 55 00.0	Sgr	8.60	CB93 Map 14
NGC 6514	M20 - Trifid Nebula	C+N	18 02 42.0	-22 58 00.0	Sgr	6.30	CB93 Map 11
NGC 6531	M21	OC	18 04 12.0	-22 29 00.0	Sgr	5.90	CB93 Map 14
IC 4725	M25	OC	18 31 48.0	-19 07 00.0	Sgr	4.60	CB93 Map 14
NGC 6613	M18 - Black Swan	OC	18 19 54.0	-17 08 00.0	Sgr	6.90	CB93 Map 11 and 14
Mel 25	Hyades	OC	04 27 00.0	+16 00 00.0	Tau	0.50	CB93 Map 3 and 5
Mel 22	M45 - Pleiades	C+N	03 47 00.0	+24 07 00.0	Tau	1.20	CB93 Map 1 and 3
NGC 598	M33 - Pinwheel Galaxy	Gx	01 33 54.0	+30 39 00.0	Tri	5.70	CB93 Map 1
NGC 3034	M82 - Cigar Galaxy	Gx	09 55 54.0	+69 41 00.0	UMa	8.40	CB93 Map 4 and 15
NGC 5457	M101 - Pinwheel Galaxy	Gx	14 03 12.0	+54 21 00.0	UMa	7.90	CB93 Map 15
NGC 3587	M97 - Owl Nebula	Pl	11 14 48.0	+55 01 00.0	UMa	11.00	CB93 Map 15
NGC 3031	M81 - Bode's Nebula	Gx	09 55 36.0	+69 04 00.0	UMa	6.90	CB93 Map 4 and 15
NGC 4552	M89	Gx	12 35 42.0	+12 33 00.0	Vir	9.80	CB93 Map 6
NGC 4569	M90	Gx	12 36 48.0	+13 10 00.0	Vir	9.50	CB93 Map 6
NGC 4406	M86 - Markarian's chain	Gx	12 26 12.0	+12 57 00.0	Vir	8.90	CB93 Map 6
NGC 4374	M84 - Markarian's Chain	Gx	12 25 06.0	+12 53 00.0	Vir	9.10	CB93 Map 6
NGC 4486	M87 - Virgo A	Gx	12 30 48.0	+12 23 00.0	Vir	8.60	CB93 Map 6
NGC 4594	M104 - Sombrero Galaxy	Gx	12 40 00.0	-11 37 00.0	Vir	8.00	CB93 Map 9
Cr 399	Coathanger cluster	OC	19 25 24.0	+20 11 00.0	Vul	3.60	CB93 Map 2 and 8 easy naked eye
NGC 6853	M27 - Dumbbell Nebula	Pl	19 59 36.0	+22 43 00.0	Vul	7.30	CB93 Map 2 and 8

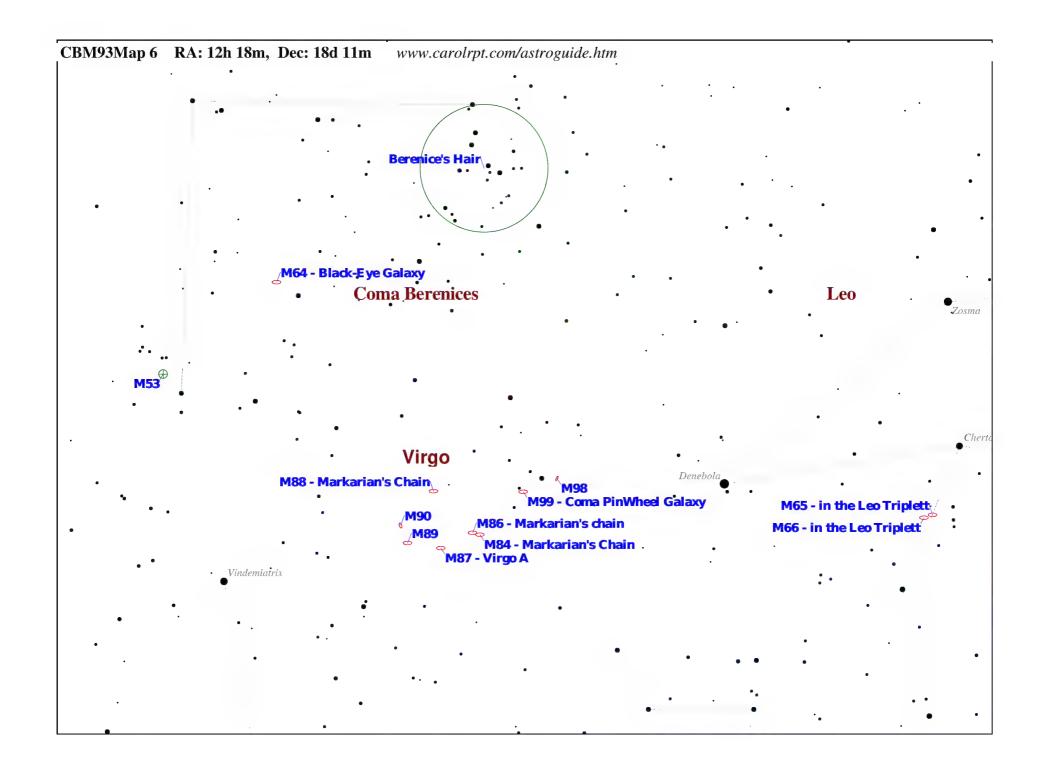


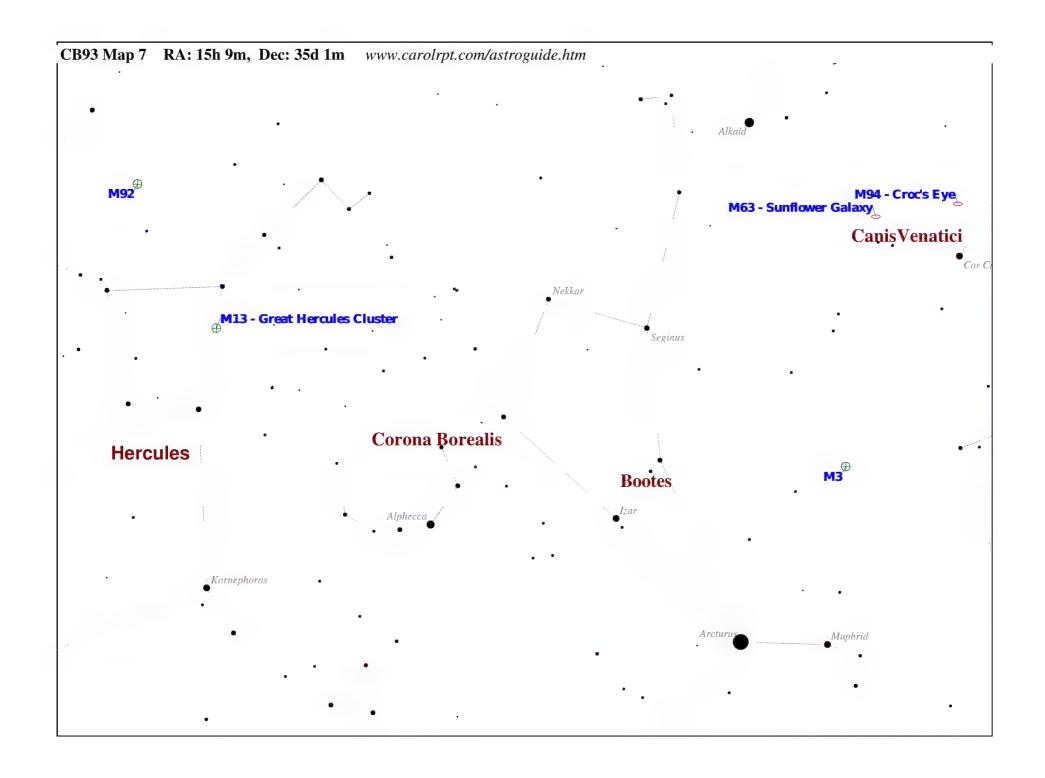


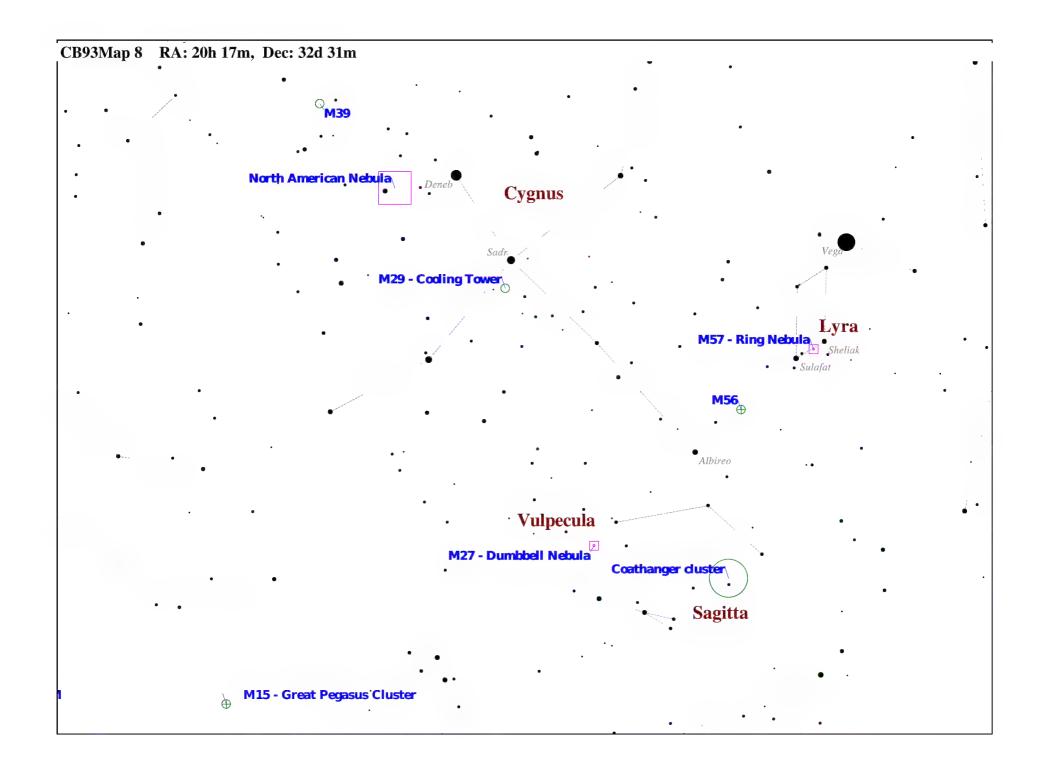


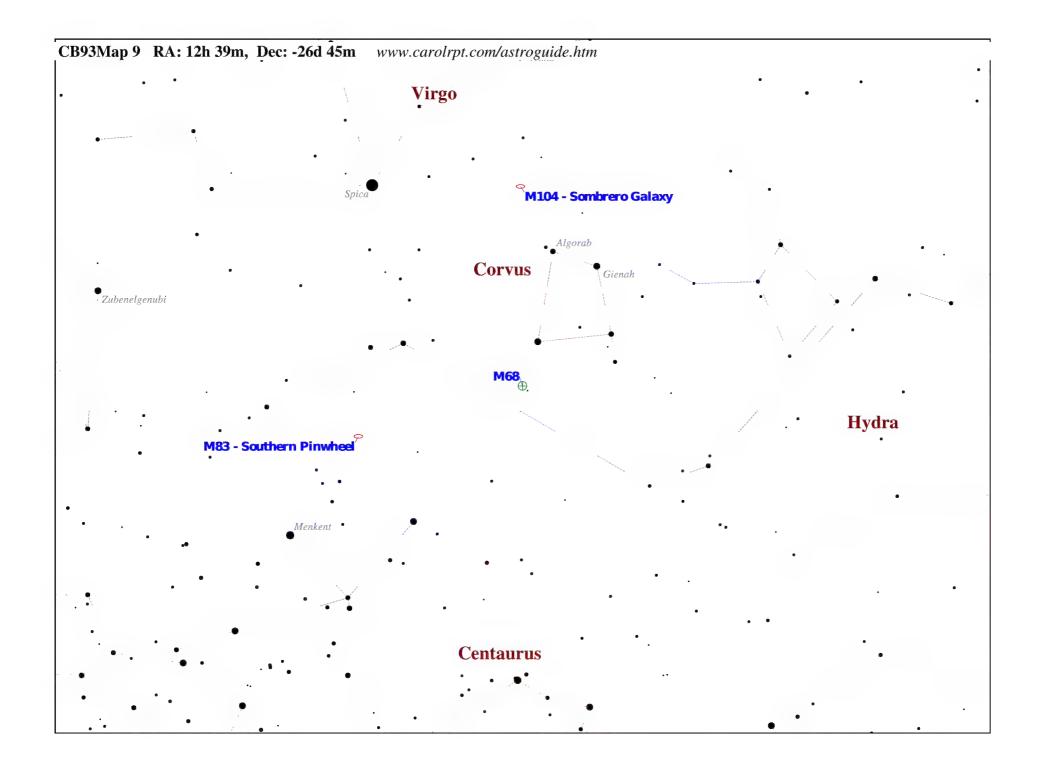


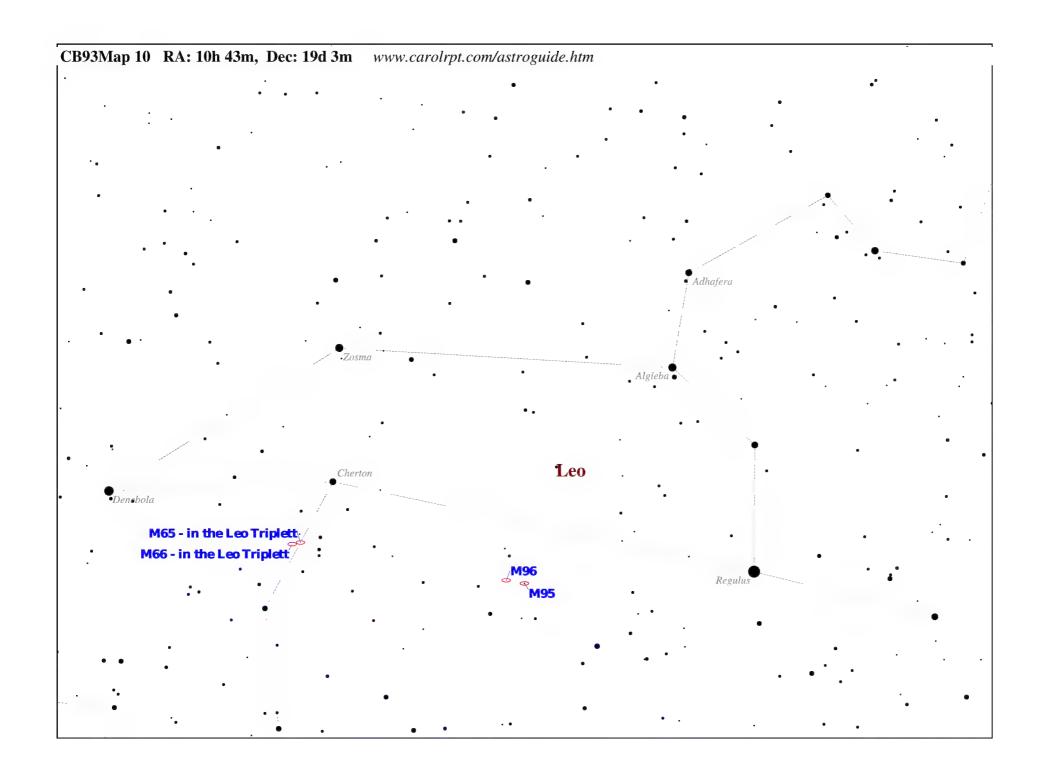


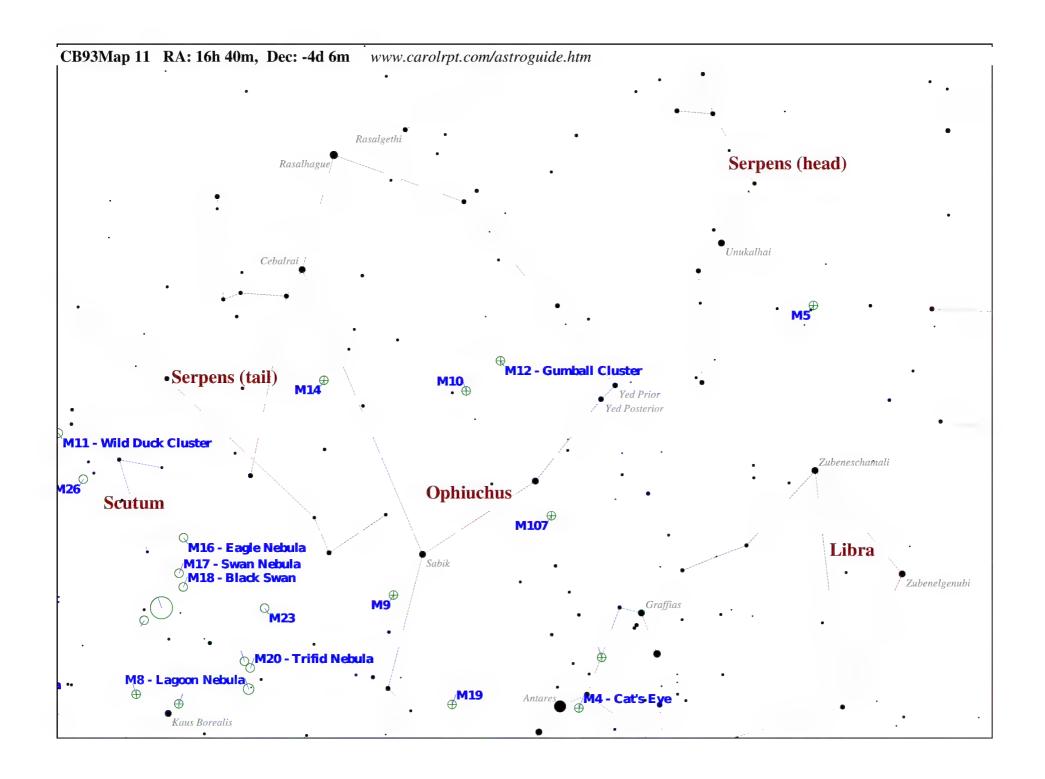


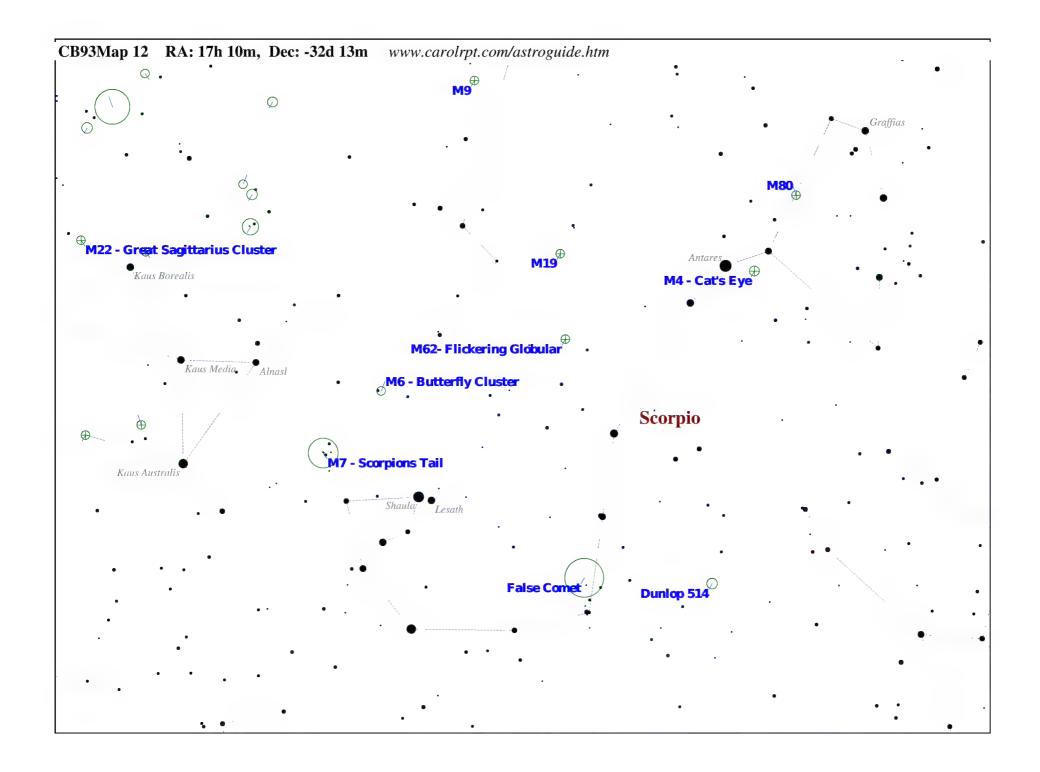


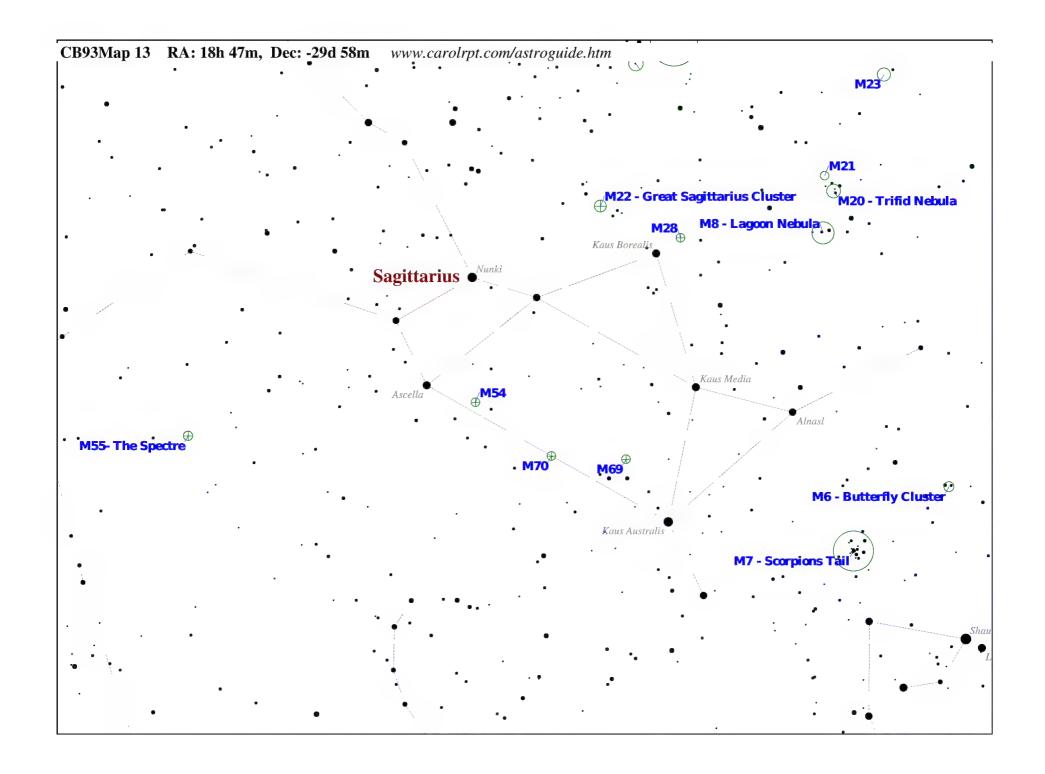


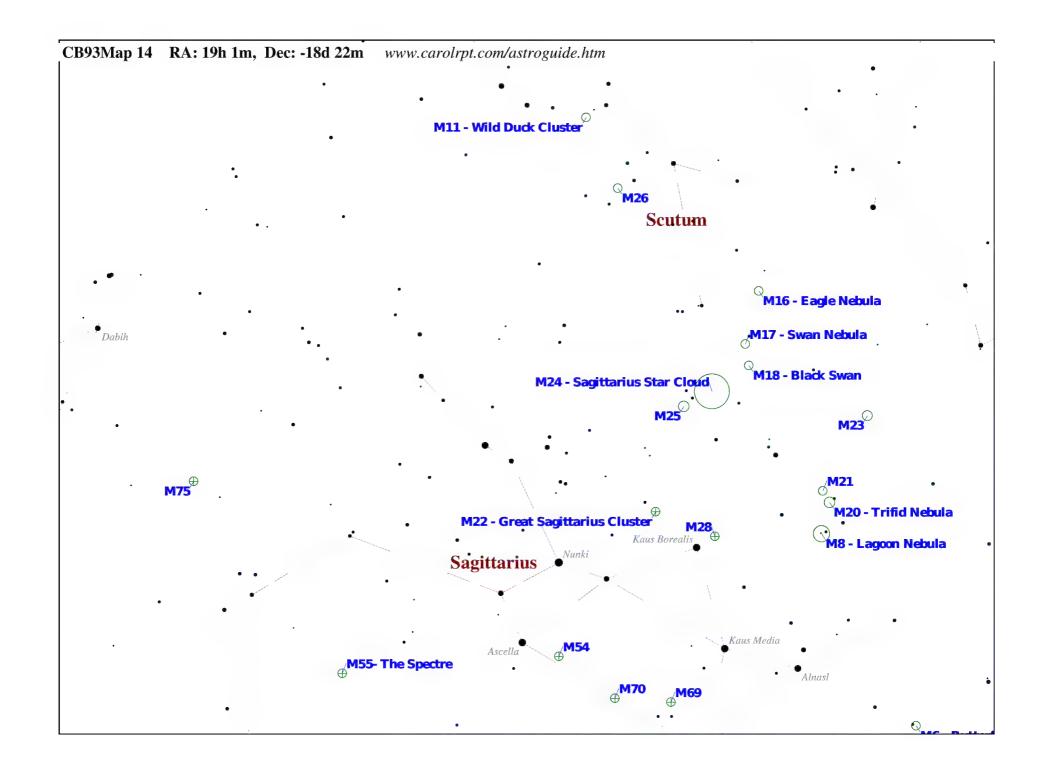


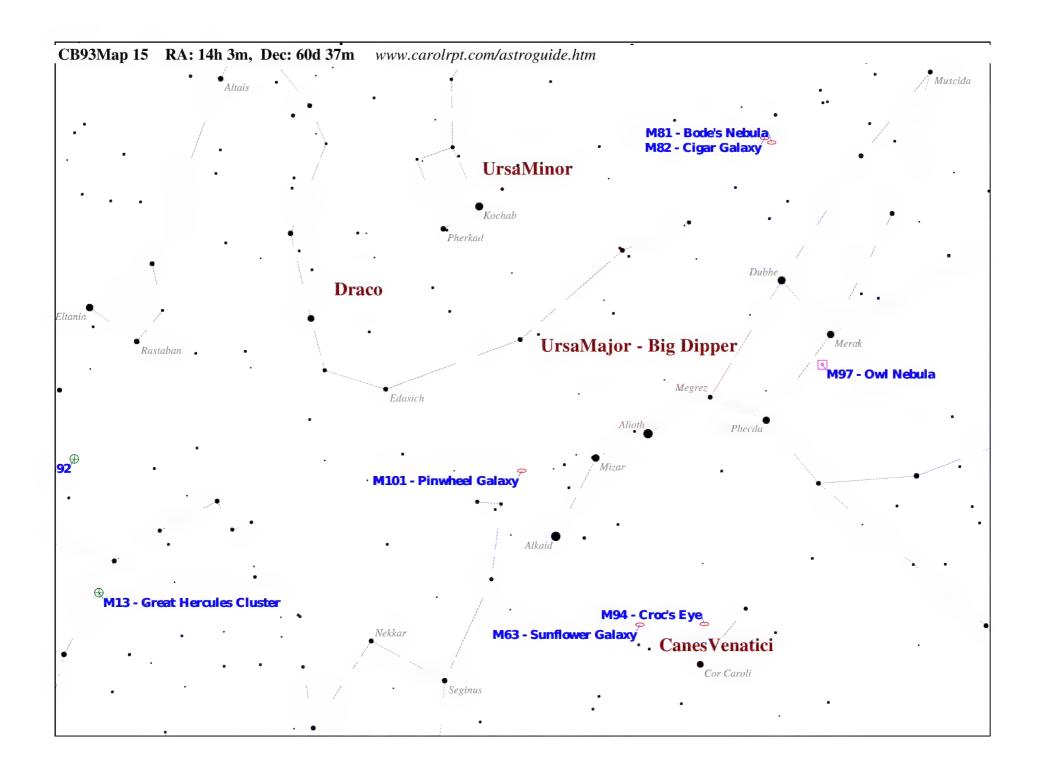










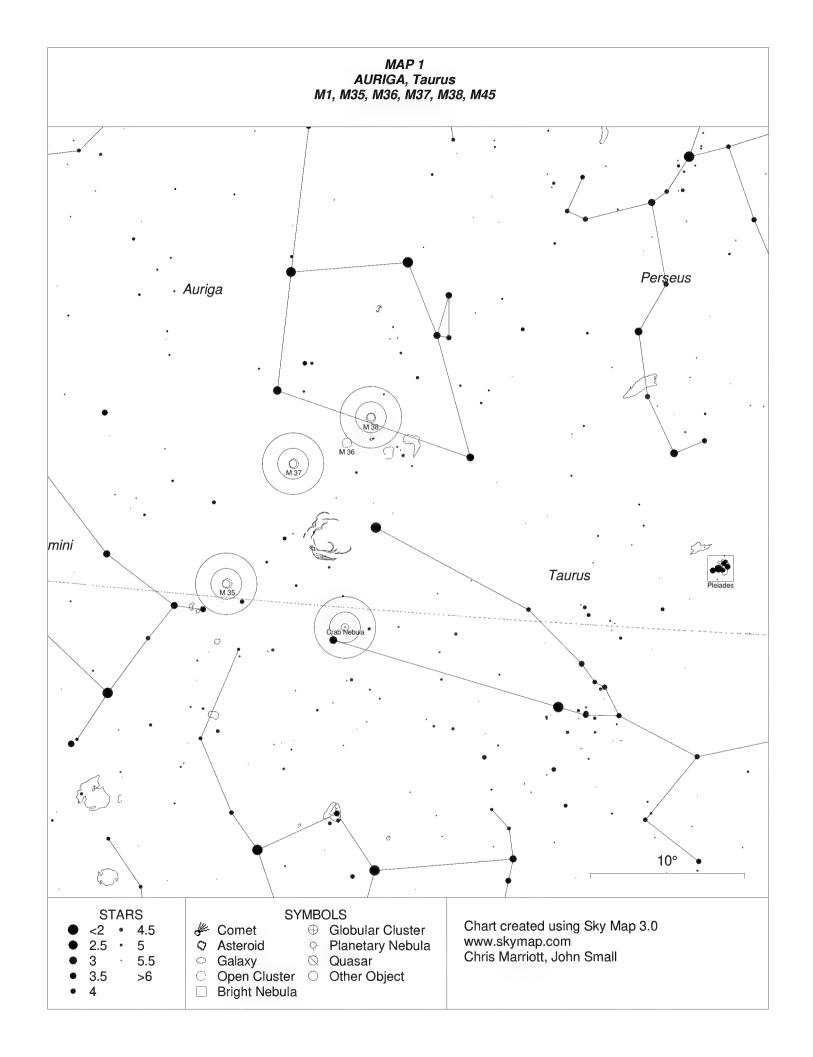


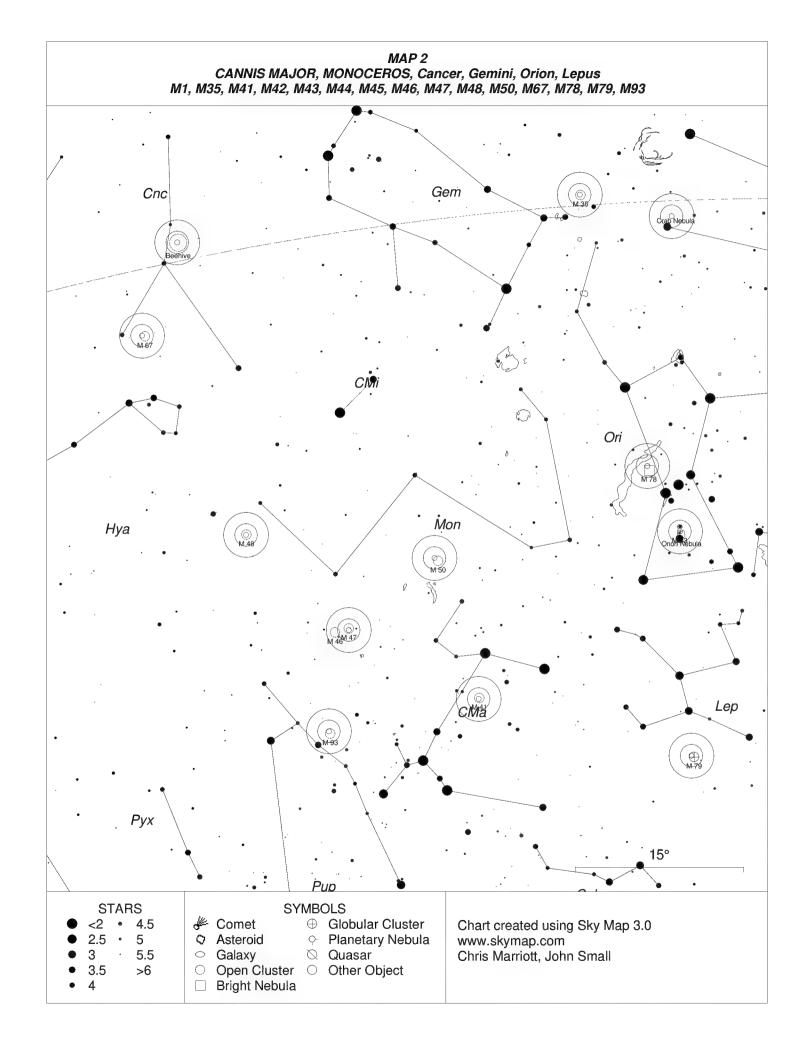
Map and Constallation Key to Messier Objects for TELRAD Finders

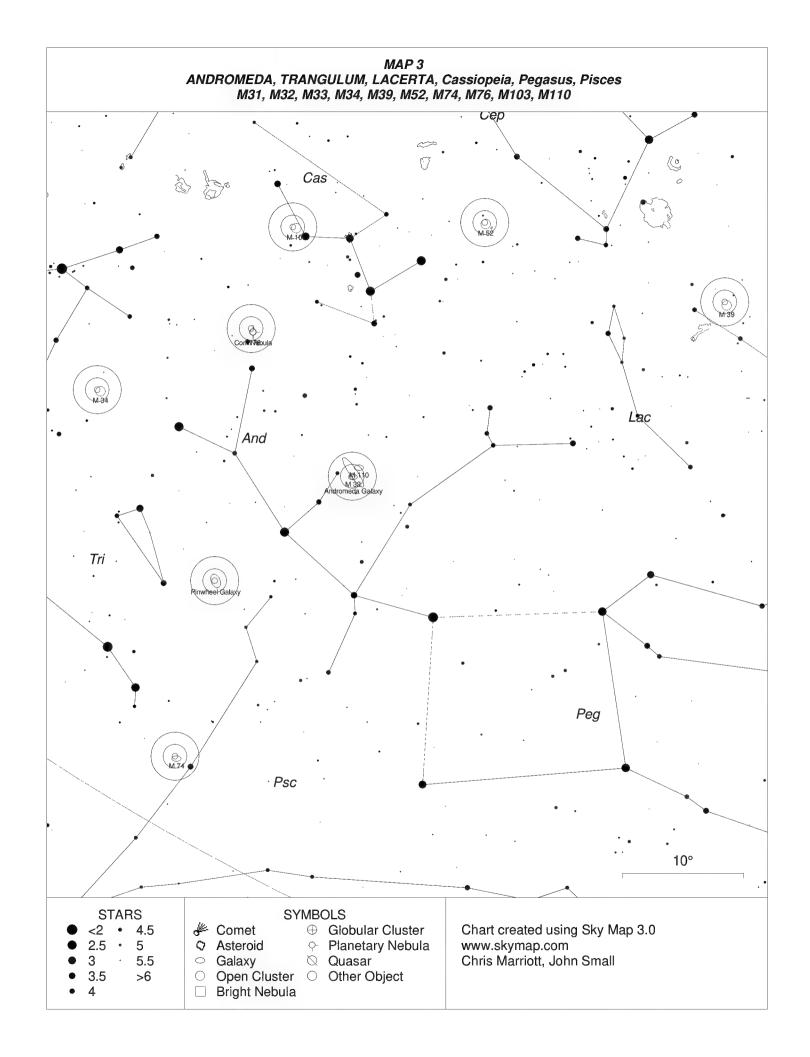
Messier Object	Constallation	Telrad Map #'s	Common Name	Туре	Distance Light Years 6,000	Other Data
M1	Taurus	Map 1, 2	Crab Nebula	Supernova		
M2	Aquarius	Map 11		Glob. Cluster		
M3	Canies Venatici	Map 6, 7		Glob. Cluster	30,000	44500 Stars
M4	Scorpius	Map 13		Glob. Cluster		
M5	Serpens	Map 6		Glob. Cluster		
M6	Scorpius	Map 10, 13	Butterfly Cluster	Open Cluster	2,000	
M7	Scorpius	Map 10, 13		Open Cluster		
M8	Sagittarius	Map 10	Lagoon Nebula	Emmi. Nebula	2,500	
M9	Ophiuchus	Map 12,10,13		Glob. Cluster		
M10	Ophiuchus	Map 12		Glob. Cluster		
M11	Scutum	Map 12	Wild Duck Cluster	Open Cluster		
M12	Ophiuchus	Map 12		Glob. Cluster		
M13	Hercules	Map 9		Glob. Cluster	25,000	
M14	Ophiuchus	Map 12, 10		Glob. Cluster		
M15	Pegasus	Map 11		Glob. Cluster		
M16	Serpens	Map 10	Star-Queen/Eagle	Emmi. Nebula		
M17	Sagittarius	Map 10	Swan/Omega Nebula	Emmi. Nebula		35 Stars
M18	Sagittarius	Map 10		Open Cluster	6,000	
M19	Ophiuchus	Map 13		Glob. Cluster	,	
M20	Sagittarius	Map 10	Trifid Nebula	Emmi. Nebula	2,200	
M21	Sagittarius	Map 10		Open Cluster	3,000	
M22	Sagittarius	Map 10		Glob. Cluster	10,000	70,000 Stars
M23	Sagittarius	Map 10, 12		Open Cluster	4,500	,
M24	Sagittarius	Map 10		Star Cloud	-,	
M25	Sagittarius	Map 10		Open Cluster		
M26	Scutum	Map 10		Glob. Cluster	5,000	
M27	Vupecula	Map 8	Dumbell Nebula	Planatary Neb.	1,250	
M28	Sagittarius	Map 10		Glob. Cluster	15,000	
M29	Cygnus	Map 8		Open Cluster	7,200	
M30	Capricornus	Map 11		Glob. Cluster	1,200	
M31	Andromeda	Map 3	Andromeda Galaxy	G-Spiral	2.2 mil	160 mil suns
M32	Andromeda	Map 3	Andromeda Comp.	G-Elliptical		
M33	Triangulum	Map 3	Tallate the action of the acti	G-Spiral		
M34	Perseus	Map 3		Open Cluster		
M35	Gemini	Map 2		Open Cluster	2,800	
M36	Auriga	Map 1		Open Cluster	4,100	
M37	Auriga	Map 1		Open Cluster	4,600	
M38	Auriga	Map 1		Open Cluster	4,200	
M39	Cygnus	Map 8, 3		Open Cluster	7,200	
M40	Ursa Major	Map 5		Two Stars		
M41	Canis Major	Map 2		Open Cluster	2,400	
M42	Orion	Map 2		Emmi Nebula	1,000	
M43	Orion	Map 2		Emmi Nebula	1,000	
M44	Sagittarius	Map 2	Beehive Cluster	Open Cluster	500	40 Stars
M45	Taurus	Map 1	Pleiades	Open Cluster	400	70 Olai3
M46	Puppis	Map 2	Fleiades	Open Cluster	700	
M47		Map 2		Open Cluster	+	
M48	Puppis	,		· ·	+	
M49	Hydra	Map 2	+	Open Cluster		
M50	Virgo	Map 7	+	G-Elliptical		
M51	Monoceros	Map 2	NATION 1 CO.	Open Cluster	15 mil	
	Canes Venatici	Map 5	Whirlpool Galaxy	G-Spiral	10 11111	
M52	Cassiopeia	Map 3		Open Cluster		
M53	Coma Berenices	Map 6, 7		Glob. Cluster	E0 000	
M54	Sagittarius	Map 10		Glob. Cluster	50,000	
M55 M56	Sagittarius	Map 10		Glob. Cluster	20,000	
	Lyra	Map 8	ĺ	Glob. Cluster	40,000	

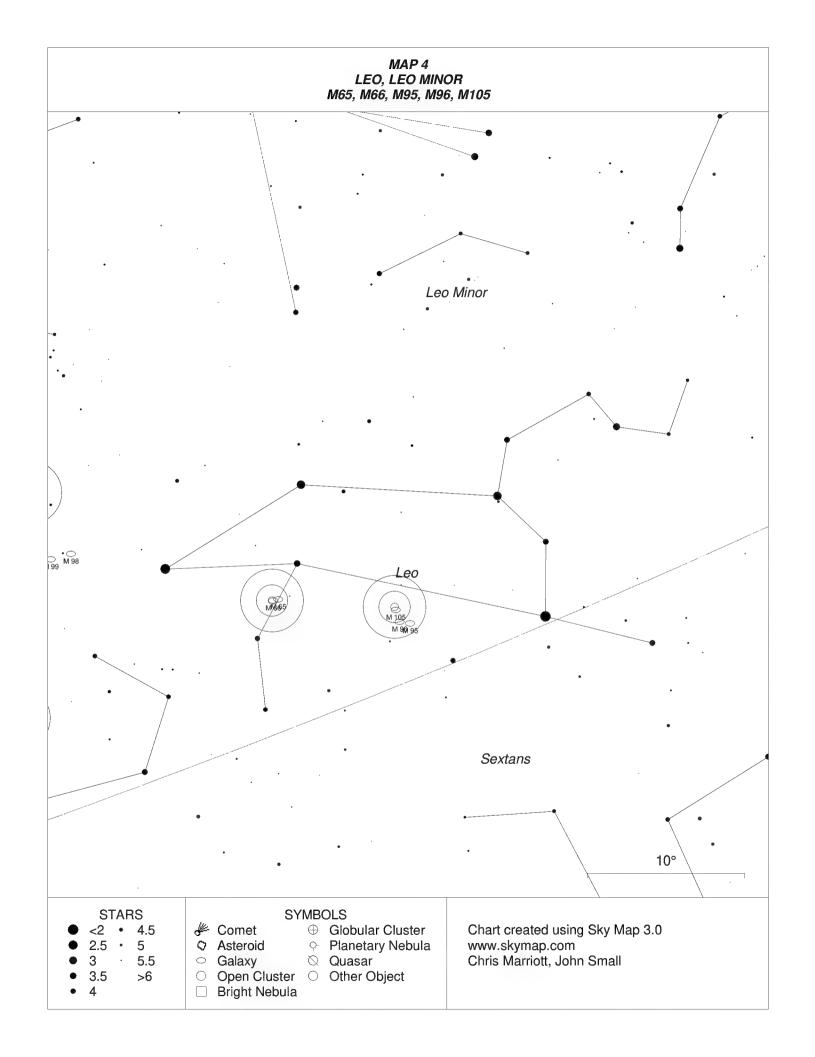
Map and Constallation Key to Messier Objects for TELRAD Finders

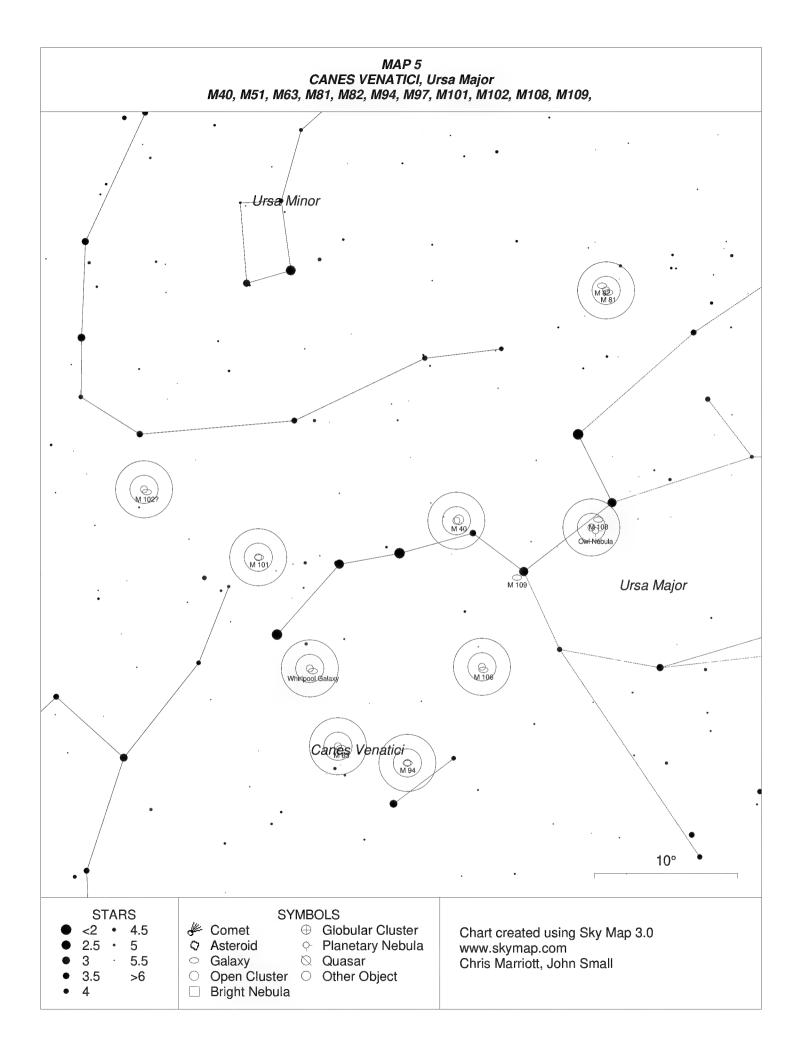
	, , , , , , , , , , , , , , , , , , , ,	1	Common	1	Dietenes	Other
Messier Object	Constallation	Telrad Map #'s	Common Name	Туре	Distance Light Years	Other Data
M58		· · · · · · · · · · · · · · · · · · ·	Name		Light rears	Data
M59	Virgo	Map 7		G-Spiral		
M60	Virgo	Map 7 Map 7		G-Elliptical		
M61	Virgo	<u>'</u>	Disclosion Oslama	G-Elliptical	+	
M62	Virgo	Map 7, 14	Blackeye Galaxy	G-Spiral		
M63	Ophiuchus Canas Vanatiai	Map 13	Cueflawar Calavir	Glob. Cluster		
M64	Canes Venatici Coma Berenices	Map 5, 6 Map 6, 7	Sunflower Galaxy	G-Spiral G-Spiral		
M65		Map 4, 7		 	35 mil	
M66	Leo	Map 4		G-Spiral	33 11111	
M67	Leo	Map 2		G-Spiral		
M68	Cancer			Open Cluster		
M69	Hydra	Map 14 Map 10		Glob. Cluster	+	
M70	Sagittarius	· · · · · · · · · · · · · · · · · · ·		Glob. Cluster	65,000	
	Sagittarius	Map 10		Glob. Cluster	65,000	One of pecuant
M71 M72	Sagittarius	Map 8		Glob. Cluster	8,500	One of nearest
	Aquarius	Map 11		Glob. Cluster	1	
M73 M74	Aquarius	Map 11		Open Cluster	1	
	Pisces	Map 3		G-Spiral		
M75	Sagittarius	Map 11		Glob. Cluster	0.400	
M76	Perseus	Map 3	Little Dumbell	Planetary Neb.	3,400	
M77	Cetus	Map 15		G-Spiral	1	
M78	Orion	Map 2		Refle. Nebula	F4.000	
M79	Lepus	Map 2		Glob. Cluster	54,000	
M80	Scorpius	Map 13		Glob. Cluster	7	
M81	Ursa Major	Map 5		G-Spiral	7 mil	
M82	Ursa Major	Map 5	Exploding Galaxy	G-Irregular		
M83	Hydra	Map 14		G-Spiral		
M84	Virgo	Map 7		G-Elliptical		
M85	Coma Berenices	Map 7		G-Spiral		
M86	Virgo	Map 7		G-Elliptical		
M87	Virgo	Map 7		G-Elliptical		
M88	Coma Berenices	Map 7		G-Spiral		
M89		Map 7		G-Elliptical		
M90	Virgo	Map 7		G-Spiral		
M91	Virgo	Map 7		G-Spiral	1	
M92	Hercules	Map 9		Glob. Cluster	28,000	
M93	Puppis	Map 2		Open Cluster		
M94	Canes Venatici	Map 5, 6		G-Spiral		
M95	Leo	Map 4		G-Spiral		
M96	Leo	Map 4		G-Spiral		
M97	Ursa Major	Map 5	Owl Nebula	Planetary Neb.	2,600	
M98	Coma Berenices	Map 7		G-Spiral		
M99	Coma Berenices	Map 7		G-Spiral		
M100	Coma Berenices	Map 7		G-Spiral		
M101	Ursa Major	Map 5		G-Spiral	15 mil	
M102	Draco	Map 5		G-Spiral	15 mil	
M103	Cassiopeia	Map 3		Open Cluster	8,000	
M104	Virgo	Map 14	Sombrero Galaxy	G-Spiral		
M105	Leo	Map 4		G-Elliptical		
M106	Canes Venatici	Map 5		G-Spiral		
M107	Ophiuchus	Map 12, 13		Glob. Cluster		
M108	Ursa Major	Map 5		G-Spiral	25 mil	
M109	Ursa Major	Map 5		G-Spiral		
M110	Andromeda	Map 3	Andromeda Comp.	G-Elliptical		

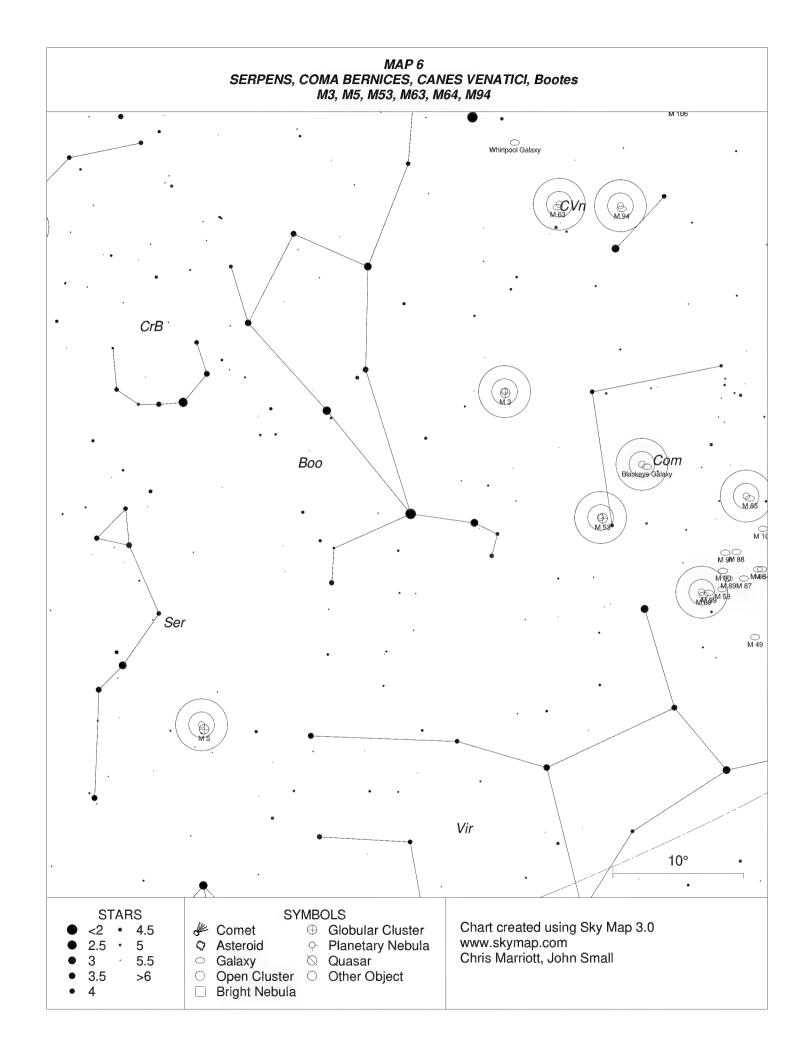












MAP 7 COMA BERENICES, Virgo, Leo (Virgo Cluster of Galaxies) M3, M49, M53, M58, M59, M60, M61, M64, M65, M66 M84, M86, M87, M88, M90, M91, M98, M99, M100 Coma Berenices ⊖ M 85 O O M 91M 88 go 10° **SYMBOLS STARS** ⊕ Globular Cluster 4.5 Chart created using Sky Map 3.0 Planetary Nebula 2.5 5 Asteroid www.skymap.com 5.5 Galaxy Quasar Chris Marriott, John Small

Open Cluster O Other Object

□ Bright Nebula

3.5

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